

**Record 11: JP8041253A****(ENG) POLYETHYLENE RESIN COMPOSITION****Assignee:** TOSOH CORP

[ no drawing available]

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**Abstract:** (ENG) <sec>PURPOSE: To obtain the composition, comprising a polymer mixture consisting essentially of a specific ethylene/hexene-1 copolymer, excellent in low stickiness and balance between transparency and tear strength and useful as packaging films, etc. CONSTITUTION: This composition is obtained by mixing (A) a principal component which is an ethylene/hexene-1 copolymer (EH), having 0.001-100g/10min melt flow rate(MFR), 0.86-0.94 g/cm<sup>3</sup> density and  $\leq 3$  molecular weight distribution (Mw/Mn) and satisfying the relationship of formula I (T<sub>m</sub> is the peak temperature of an endothermic curve; SCB is the number of short chains based on 1000 number of carbon atoms) with (B) the EH, having a density different from that of the component (A) and satisfying the MFR, density and Mw/Mn thereof and the relationship of formula I, the EH, having a higher density than that of the component (A), satisfying the MFR thereof and the relationship of formula I and further having  $\geq 0.915$ g/cm<sup>3</sup> density or a high-density PE satisfying the MFR of the component (A). Furthermore, the composition satisfies the relationships of formula II (T<sub>mix</sub> is the Elmendorf tear strength of the composition; d<sub>mix</sub> is the density of the composition) and formula III (H<sub>mix</sub> is the haze of the composition).</sec>

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